# MICRO-DISPENSE SCALE

Item # 1174337

**PLEASE READ COMPLETE INSTRUCTIONS BEFORE USE**

Please read all operating instructions carefully. You can contact us at www.loctite.com

* Avoid lengthy exposure to extreme heat or cold. The scale works best when operated at room temperature. **If the scale has been subjected to temperature change, please allow the scale to acclimate to normal room temperature for at least one hour before use.**

* Allow sufficient warm up time. Turn the scale On and wait several seconds to give the internal components a chance to stabilize before weighing.

* The cleaner the environment the better. Dust, dirt, moisture, vibration, air currents and proximity to other electronic equipment can all cause an adverse effect on the reliability and accuracy of your scale.

* Handle with care. Do not dispense directly onto scale. Gently apply items to be weighed to a sacrificial tray (tin foil) or a small cup. Although the scale is designed to be quite durable, try to avoid rough treatment as this may permanently damage the internal sensor and void your warranty.

* Avoid shaking, dropping, or otherwise shocking the scale. This is a precision instrument and MUST BE HANDLED WITH EXTREME CARE.

* **Important Advice: Place the item to be weighed on the platform, close scale cover, after the stable weigh is displayed remove the item immediately. This will prolong the longevity and accuracy of this weighing instrument.**

* These electronic scales are precision instruments. Do not operate near an in-use cell phone, cordless phone, radio, computer or other electronic device. These devices emit RF and can cause unstable scale readings. If your scale ever performs poorly, try moving the scale to a different room or location. This is a very precise scale – the display may seem to wander or jump when weighing. This is due to air currents or vibration. Stable weighing is achieved when the display remains fixed for 3 seconds.

## OPERATION

Battery Operation:
1) Three “AAA” size ALKALINE batteries are required.
2) To install the batteries:
  a) Release the battery cover by sliding outwards.
  b) Place batteries into battery compartment aligned correctly.
  C) Replace battery cover.

**DO NOT USE EXCESSIVE FORCE & DO NOT PRESS ON THE TRAY!!!!**

3) The scale is now ready for battery operation.

**(Advanced users only) CALIBRATION**

IMPORTANT: This scale was professionally factory calibrated before shipment and does NOT need to be calibrated by the end user. However if you wish to recalibrate your scale we provide these instructions for correct calibration. Incorrect calibration can occur if you do not follow the steps exactly. If your scale does not perform accurately, please try replacing the batteries before you calibrate.
You will need a 20 gram weight to calibrate this scale (included). **Note**: if you have lost the calibrated weight and you do not have access to a calibrated weight, you can purchase one at a local store. In emergency situations you can use coins (ie 2 US Nickels = 10 grams) as a calibration weight.

1) Place the scale on a Flat, very stable surface and turn it OFF.
2) Press and hold [UNIT] first, the Press [ON/OFF], (don’t release the unit button until the display shows the random AD value).
3) Wait 2 seconds, Press [UNIT]. The display will show “OSAVE”, after 2 seconds, the display will show the calibration weight amount.
4) Place the correct calibration weight on the platform, then press [UNIT], the display will show “OSAVE” and return to AD value.
5) Calibration is complete. Remove the weight and turn the scale OFF.

Note: If after calibration your scale does not read accurately, this indicates calibration error and the calibration process should be repeated slower. Please calibrate on a very stable surface

## INACCURACY / ERROR

The primary reasons for inaccuracy or malfunction are low batteries, incorrect calibration, overload or operating on an unstable surface. Please keep this in mind and maintain and operate your scale properly. The scale is a precise instrument and must be handled with the utmost care and caution.

## FEATURE

* **Power-Up Segment Test**: When first turning the unit on, all segments of the display will appear. The display will remain for approximately 2 seconds and then reset to 0.

* **Overload**: When an applied load exceeds the capacity, “EEEE” will appear on the display. Remove the excessive load immediately! Although the scale uses proprietary overload protection technology, it is still possible to damage the weighing sensor by overload.

Remember: You can permanently damage the scale by overloading it!

## TROUBLESHOOTING & OPERATION NOTES:

1) If the display ever becomes locked on EEEE, this indicates that the scale was shocked, dropped or otherwise damaged and the delicate weighing sensors have been damaged. You can try recalibrating the scale (if the sensor has not been hurt too badly, it will work again after calibration). Otherwise you will have to follow the warranty instructions that came with your scale.

2) If the display shows “Lo-b” this often indicates low batteries. If new batteries do not fix this error, the scale will have to be sent to us for replacement under our 1 year warranty program.

Although the scale is designed to be extremely durable, it's important that you never overload or drop/shock the scale. Scales are delicate instruments and unlike cellular phones, scales have delicate sensors that determine how much an item weighs. If you drop or shock your scale, these sensors "feel" the shock and are sometimes destroyed; this happens with all digital scales. Our scales are designed to be resistant to shock or drops as much as possible, however this no way to protect 100% against load cell or sensor damage. A well treated scale will provide years of reliable and accurate weighing. However an abused scale will only work until its sensor's are damaged.

**KEY PAD FUNCTIONS**

* UNIT

For unit mode selection, press and release the key once to change weight unit. You can select g (grams), oz (ounces), dwt (pennyweight), ozt (troy ounces), ct (carats), gn (grain) or mg.

* PCS (Count) Sample sizes can be 10, 20, 50 or 100

The following steps outline the procedure for cumulative weighing of samples. Switch the scale On. Place a given number of samples of an item on the tray. Press the [UNIT] key several times to put the scale in PCS mode (noted by PCS indicator on display). Select the sample size (the same as you chose above) by pressing the [PCS] key as many times as necessary to put in the correct sample size. Press the [UNIT] key, the display will show "pass", then after 2 seconds, the scale will remember the sample size you selected and show the starting sample size on the display (you can now remove the samples if you want to return to 0 pcs). Place the items that you want counted onto the tray, the total number of items will show on the display. Press the [UNIT] key to exit the counting function and return to normal weighing.

*** ⏻ON/OFF**

Press this key to turn unit on. Once the unit is on, press and hold the same key to turn the scale off.

*** ZERO (tare)**

Press Zero to reset the scale to zero. This can be used for eliminating from a sample (or a tray/container) the weight value of a container weight is permanently removed for the remainder of the procedure. Just turn the scale On, place the tray or container on the weighing platform, and press the Zero key. The scale will show 0.0 (or 0.000) on the display, and you can add items to the container/tray.

NOTE: When all weight is removed from the weighing tray, the tarred value of a container will be displayed as a negative number, Cycle the power on the scale to reset the scale.

*** LIGHT**

Press the [LIGHT] key to turn on the backlight; press the [LIGHT] key again and the backlight will turn off.

** These electronic scales are precision instruments. Avoid disturbing environmental conditions such as currents, vibrations, strong electrical and magnetic fields as well as rapid change of the ambient temperature.

* Selection of auto shut off mode

Press and hold [ZERO], then press [ON/OFF]. The scale will enter the function settings mode. The display will show A-ON or A_OFF. Press [ZERO], the display will show A_ON, this means auto shut off function is active. Press [ZERO] again, the display will show A_OFF, this means that the auto shut off function is inactive.

**WARRANTY**

Henkel expressly warrants that all products referred to in the Instruction Manual for **1174337** Henkel Micro-Dispense Scale (hereafter called "Products") shall be free from defects in materials and workmanship. Liability for Henkel shall be limited, as its option, to replacing those Products which are shown to be defective in either materials or workmanship or to credit the purchaser the amount of the purchase price thereof (plus freight and insurance charges paid therefor by the user). The purchaser's sole and exclusive remedy for breach of warranty shall be such replacement or credit.

A claim of defect in materials or workmanship in any Products shall be allowed only when it is submitted in writing within one month after discovery of the defect or after the time the defect should reasonably have been discovered and in any event, within (12) months after the delivery of the Products to the purchaser. This warranty does not apply to perishable items, such as (batteries, tray, cover, lights, etc.). No such claim shall be allowed in respect of products which have been neglected or improperly stored, transported, handled, installed, connected, operated, used or maintained. In the event of unauthorized modification of the Products including, where products, parts or attachments for use in connection with the Products are available from Henkel, the use of products, parts or attachments which are not manufactured by Henkel, no claim shall be allowed.

No Products shall be returned to Henkel for any reason without prior written approval from Henkel. Products shall be returned freight prepaid, in accordance with instructions from Henkel.

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